

REMARKS

STATUS SUMMARY

Claims 1 – 7 are pending in the present application. Claims 8 – 11 have been withdrawn as being drawn to non-elected subject matter. Applicants hereby affirm the election of claims 1 – 7, and now cancel claims 8 – 11 without prejudice. Claims 1 – 7 are rejected. Claim 1 has been amended herein. New claims 12 – 18 have been added.

DRAWINGS

The drawings are objected to because Figure 1 should be designated by a legend such as “Prior Art”. A Replacement Sheet for Figure 1 is submitted with this amendment, in which the appropriate correction has been made.

In view of the foregoing, Applicants respectfully submit that the objection to the drawings has been overcome, and request that this objection be withdrawn.

AMENDMENTS TO SPECIFICATION AND ABSTRACT

Minor amendments have been made to the specification and abstract to improve readability and/or clarity.

CLAIM REJECTIONS - 35 U.S.C. § 103

Claims 1-4 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the publication by Shaeffer in view of admitted prior art. Applicants respectfully traverse this rejection because no suggestion or motivation has been shown for modifying or combining the cited references as proposed by the Examiner, with any reasonable expectation of success, and the cited references in combination fail to teach or suggest all the features or elements recited in each of the rejected claims.

Claim 1 is directed to a “Global Positioning System (GPS) receiver”. Claim 1 has been amended only to correct a minor typographical error and not for any other purpose. Claim 1 as originally presented recites “a single stage downconverter using dual mixers” in combination with other features. Shaeffer fails to teach “a single stage downconverter using dual mixers” in combination with other features. Shaeffer on page 5 teaches a single-conversion receiver architecture that utilizes only a single mixer. Shaeffer on page 8 teaches a separate, different receiver architecture that includes two mixers but does not include other features recited in claim 1 such as an AGC amplifier and an ADC coupled to the AGC amplifier. Moreover, as conceded by the Examiner, Shaeffer fails to teach “a digital processing section, coupled to the RF Front End” as recited in claim 1. Still further, Shaeffer fails to teach a receiver in which “the noise bandwidth of the GPS receiver is set by the IF active filter” as recited in claim 1.

The “admitted prior art” to which the Examiner refers is merely a statement that an advantage of certain novel implementations disclosed in the application rests in the fact that industry standard building blocks may be used to construct such novel implementations. Such a statement when combined with Shaeffer does not render obvious the invention recited in claim 1.

No suggestion or motivation has been shown for the successful coupling of an RF Front End and a digital processing section having all of the features recited in claim 1. It is therefore respectfully submitted that a *prima facie* showing of obviousness of claim 1 over the combination of Shaeffer and admitted prior art has not been made.

Claims 2-4 depend or ultimately depend from claim 1, and therefore are distinguishable over the cited references at least for the same reasons.

Claims 5-7 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Shaeffer in view of admitted prior art and Jasper (U.S. Patent No. 4,701,934). Claims 5-7 ultimately depend from claim 1, and therefore are distinguishable over the cited references for at least the same reasons.

In view of the foregoing, Applicants respectfully submit that claims 1-7 are patentable under 35 U.S.C. § 103(a) over Shaeffer in view of admitted prior art, and therefore request that the rejection to claims 1 – 6, 10 – 12, 14 and 15 be withdrawn.

NEW CLAIMS

New claims 12 – 18 have been added herein. New claims 12 – 18 recite features believed to be fully supported by the application as originally filed, and accordingly no new matter is believed to have been added. New claims 12 – 18 are believed to be patentable over the prior art of record. Accordingly, Applicants respectfully request entry and allowance of new claims 12 – 18.